

Title (en)

Method of generating a footprint for an audio signal

Title (de)

Vervahren zum Erzeugen eines Abdrucks eines Audiosignals

Title (fr)

Methode pour générer une empreinte d'un signal audio

Publication

EP 1684263 A1 20060726 (EN)

Application

EP 05001258 A 20050121

Priority

EP 05001258 A 20050121

Abstract (en)

Method of generating a footprint for a useful signal, wherein the useful signal represents the evolution of a spectrum comprising useful signal frequencies, for example audio frequencies, over time, which allows automatic detection of identical or similar useful signals in a cost-efficient way and where the footprint is robust against modifications of the useful signal not perceptible to human users, wherein at least one data set comprising a part of the useful signal is processed by an analyzer according to a predetermined analyzing instruction, where the analyzer outputs as a result of the processing a footprint data vector depending on and identifying the processed data set.

IPC 8 full level

G10L 11/00 (2006.01); **G10L 19/018** (2013.01)

CPC (source: EP KR US)

G10L 19/018 (2013.01 - EP KR US); **G10L 19/02** (2013.01 - KR); **H04N 21/83** (2013.01 - KR)

Citation (applicant)

CANO ET AL., PROCEEDINGS OF THE IEEE, 9 December 2002 (2002-12-09), pages 169 - 173

Citation (search report)

- [A] US 2003205124 A1 20031106 - FOOTE JONATHAN T [US], et al
- [A] US 2004158437 A1 20040812 - KLEFENZ FRANK [DE], et al
- [X] CANO P ET AL: "A review of algorithms for audio fingerprinting", PROCEEDINGS OF THE 2003 IEEE RADAR CONFERENCE. HUNTSVILLE, AL, MAY 5 - 8, 2003, IEEE RADAR CONFERENCE, NEW YORK, NY : IEEE, US, 9 December 2002 (2002-12-09), pages 169 - 173, XP010642539, ISBN: 0-7803-7920-9
- [X] HERRE J ET AL: "Robust matching of audio signals using spectral flatness features", 2001 IEEE WORKSHOP ON THE APPLICATIONS OF SIGNAL PROCESSING TO AUDIO AND ACOUSTICS, 21 October 2001 (2001-10-21), PISCATAWAY, NJ, USA, IEEE, pages 127 - 130, XP010566891, ISBN: 0-7803-7126-7
- [A] HAITSMA J ET AL: "Speed-change resistant audio fingerprinting using auto-correlation", 2003 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING. PROCEEDINGS. (ICASSP), vol. VOL. 1 OF 6, 6 April 2003 (2003-04-06), HONG KONG, pages IV-728 - IV-731, XP010641263, ISBN: 0-7803-7663-3

Cited by

EP4336389A1; WO2024056509A1; EP2124158A4; EP4336390A1; WO2024056512A1

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DOCDB simple family (publication)

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